

CLAIMS

1. An improved hole saw boss including:
a threaded member incorporating a first threaded portion adapted to engage a threaded bore of a first hole saw and a second threaded portion adapted to engage a threaded bore of a second hole saw, wherein the second threaded portion is of a stepped down diameter to accommodate a hole saw having a threaded bore diameter smaller than the first hole saw.
2. An improved hole saw boss as in claim 1 wherein said second hole saw cutting diameter is smaller than said first hole saw cutting diameter.
- 10 3. An improved hole saw boss as in claim 1 wherein said boss includes a base member to which the threaded member is connected.
4. An improved hole saw boss as in claim 1 wherein said first and second threaded portion diameters correspondingly engage with commonly available hole saw threaded bore diameters.
- 15 5. An improved hole saw boss as in claim 1 wherein at least one threaded portion is of a length capable of accommodating more than one hole saw of different cutting diameters.
6. An improved hole saw boss as in claim 1 wherein said base member and said threaded member include a central aperture adapted to allow a drill bit to fit there through.
- 20 7. An improved hole saw boss as in claim 1 wherein said boss includes a connection means which is configured to engage a mandrel.
8. An improved hole saw boss as in claim 1 wherein said second hole saw is chosen to fit snugly within an existing aperture of a work piece.
- 25 9. An improved hole saw boss as in claim 1 wherein said first hole saw is adapted to drill a hole larger than the existing hole into said work piece.
10. An improved hole saw boss as in claim 9 wherein the cutting surface of said second hole saw extends longitudinally beyond the cutting surface of said first hole saw.

11. An improved hole saw boss of claim 9 wherein said cutting surface of said second hole saw contacts the planar face of said work piece before said cutting surface of said first hole saw.
12. An improved hole saw boss including:
 - 5 a threaded member adapted to accommodate at least two hole saws of different cutting diameters;
 - a base member having at least one notch; and
 - at least one drive pin, said drive pin configured to engage both said at least one notch on said base member and an existing aperture on at least one of said hole saws.
- 10 13. An improved hole saw boss of claim 12 wherein said at least one drive pin is magnetised to restrain said drive pin within said aperture on said hole saw.